U.S.

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 01440125AA

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application

	P.O. Box 1450 Alexandria, VA 22313-1450	
Transmitted he	erewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent applied	nation for an
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	ATION APPLICATION, check appropriate box and supply the requisite information:	
☐ Continua	ition 🔲 Divisional 🗀 Continuation-in-part (CIP) of prior application No.:	
Which is a:		
☐ Continua	tion 🔲 Divisional 🗀 Continuation-in-part (CIP) of prior application No.:	
Which is a:		
☐ Continua	tion 🔲 Divisional 🔲 Continuation-in-part (CIP) of prior application No.:	
Enclosed are:		
	Application Elements	
1. 🗌 Fili	ng fee as calculated and transmitted as described below	
2. 🗵 Sp	ecification having 36 pages and including the following:	
a. 🛚	Descriptive Title of the Invention	
b. 🗀	Cross References to Related Applications (if applicable)	
c. 🗀	Statement Regarding Federally-sponsored Research/Development (if applicable)	
d. 🗖	Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix	
e. 🛛	Background of the Invention	
f. 🛛	Brief Summary of the Invention	
g. 🗵	Brief Description of the Drawings (if filed)	
у. <u>Щ</u> h. ⊠		
	Detailed Description	
i. 🛚	Claim(s) as Classified Below	
j. 🛭	Abstract of the Disclosure	

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Application Elements (Continued)									
3.	X	☑ Drawing(s) (when necessary as prescribed by 35 USC 113)							
	a.		Formal		Number of Sheets				
	b.	X	Informa	1	Number of Sheets 13				
4.	\boxtimes	Oat	h or Decl	aration					
	a.		Newly e	xecuted (original or copy) 🖾 Unexecuted				
	b.		Copy fro	om a prior	application (37 CFR 1.63(d)) (for continuation/divisional application only)				
	C.	X		wer of Att					
	d.		DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).						
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.							
6.		CD	ROM or 0	CD-R in d	uplicate, large table or Computer Program (Appendix)				
7.		Application Data Sheet (See 37 CFR 1.76)							
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)							
	a.								
	b.	Specification Sequence Listing on:							
		i. CD-ROM or CD-R (2 copies); or							
		ii. 🔲 Paper							
	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy							
Accompanying Application Parts									
9.		Assi	Assignment Papers (cover sheet & document(s))						
10.		37 C	37 CFR 3.73(B) Statement (when there is an assignee)						
11.		English Translation Document (if applicable)							
12.	\boxtimes	Information Disclosure Statement/PTO-1449 Copies of IDS Citations							
13.		Preliminary Amendment							
14.	\boxtimes	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)							
16.		Cert	ificate of	Mailing					
			First Clas	ss 🗆	Express Mail (Specify Label No.): HAND DELIVERED				

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	Accompanying Application Parts (Continued)
17.	Additional Enclosures (please identify below):
	·
	Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
· ·	Warning
	An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Fee Calculation and Transmittal

		CLAIMS	AS FILED				
For	#Filed	#Allowed	#Extra		Rate	Fee	—
Total Claims	121	- 20 =	101	х	\$18.00	\$1,818.00	_
Indep. Claims	14	- 3 =	11	x	\$86.00	\$946.00	_
Multiple Dependent	Claims (check if	applicable)				\$0.00	
					BASIC FEE	\$770.00	
OTHER FEE (specify purpose)						\$0.00	
					TOTAL FILING FEE	\$3,534.00	
as described belo Charge th Credit and Charge a Charge th	ereby authorized to ow. the amount of my overpayment. any additional filing the issue fee set in to 37 C.F.R. 1.31	to charge and cr a g fees required t n 37 C.F.R. 1.18	as filing fee. under 37 C.F.I 8 at the mailing Rut	Account I	and 1.17. Notice of Allowance, Signature		-
cc:			Whi 1149 Resi 703-	nitham, C 191 Sunse ston, Virg 1-787-940	Curtis & Christofferson, P. et Hills Road, Suite 340 ginia 20190	C.	